PDF Controller

Offer your HTML page for PDF download. Control the conversion with the integrated user interface.

Version: 1.4.3, 2012-10-30

Extension Key: pdfcontroller

Language: en

Keywords: forAdmins, forDevelopers, forAdvanced, pdf, download, html

The content of this document is related to TYPO3

- a GNU/GPL CMS/Framework available from www.typo3.org

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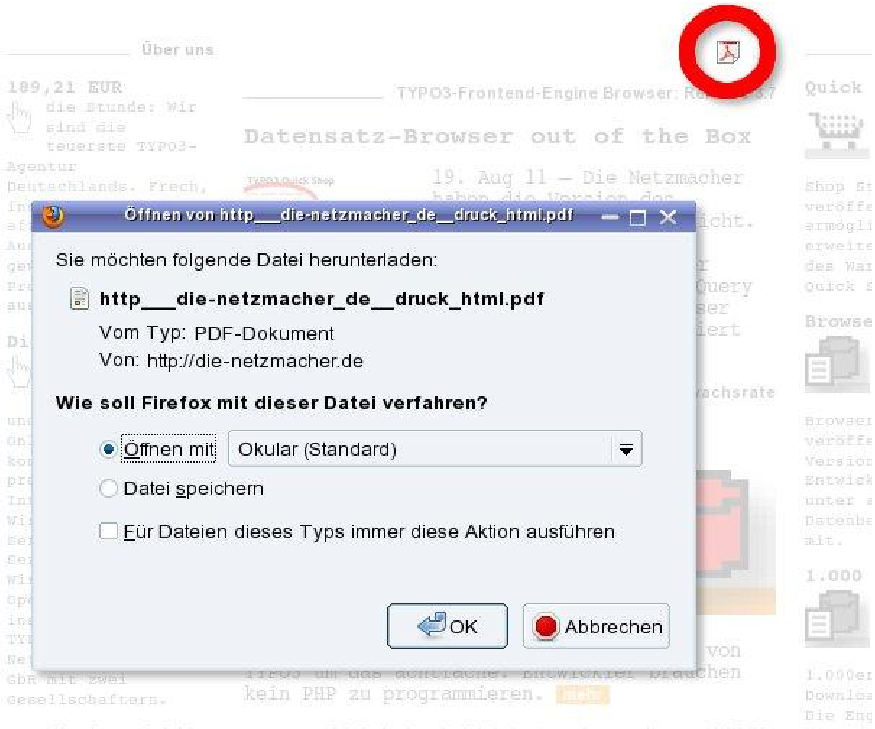


Öffnen von http___die-netzmacher_de__druck_html.pdf

Sie möchten folgende Datei herunterladen:

http___die-netzmacher_de__druck_html.pdf

Vom Typ: PDF-Dokument

Von: http://die-netzmacher.de

Wie soll Firefox mit dieser Datei verfahren?

● Öffnen mit Okular (Standard)

○ Datei speichern

□ Für Dateien dieses Typs immer diese Aktion ausführen

Illustration 1: Download dialog after the mouse click on the PDF button

You have to add a page with the plugin PDF Controller User Interface and the PDF Controller Button to a page only.

Case II – Website wide PDF downloads and optimized printing

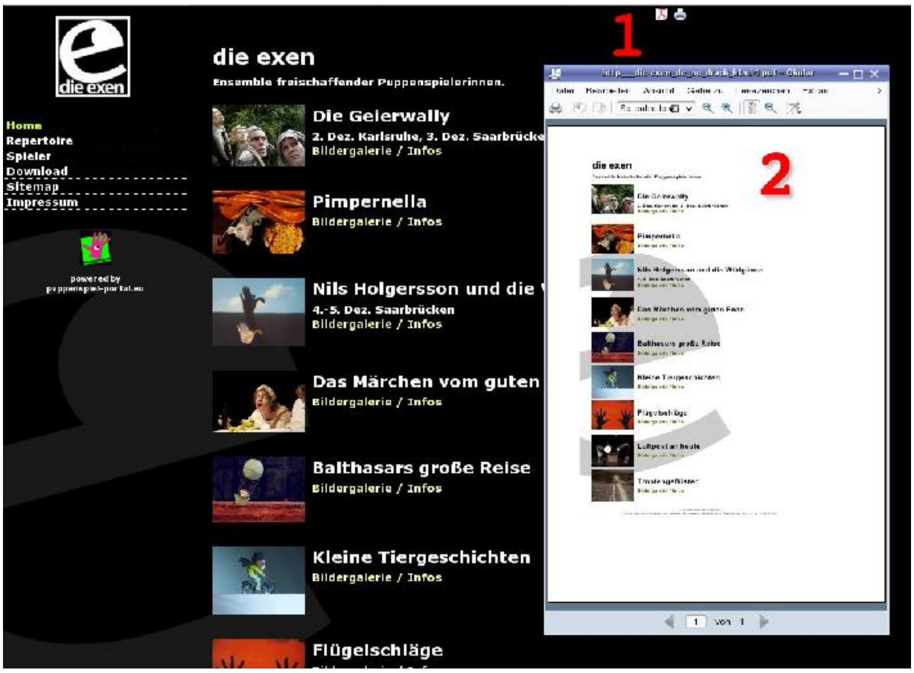
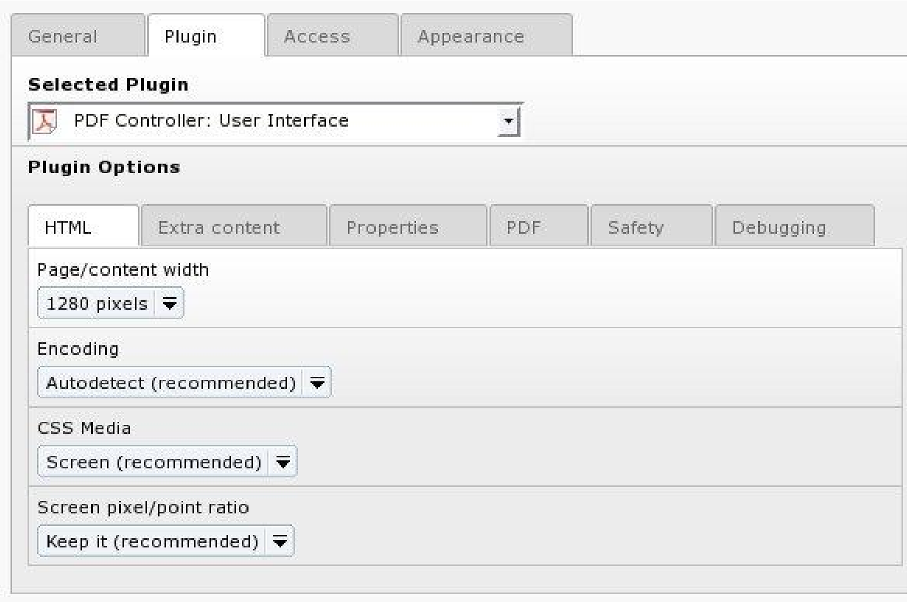


Illustration 2: 1: PDF button and print button generated by the PDF Controller. 2: PDF file in a PDF viewer.

Tutorial II on page 12 below demonstrates, how to integrate the PDF button and the print button (1) website wide. You can configure the conversion, your PDF file (2) can defer to the HTML page (for optimized printing i.e.).

Backend

PDF Controller User Interface



Selected Plugin

PDF Controller: User Interface

Plugin Options

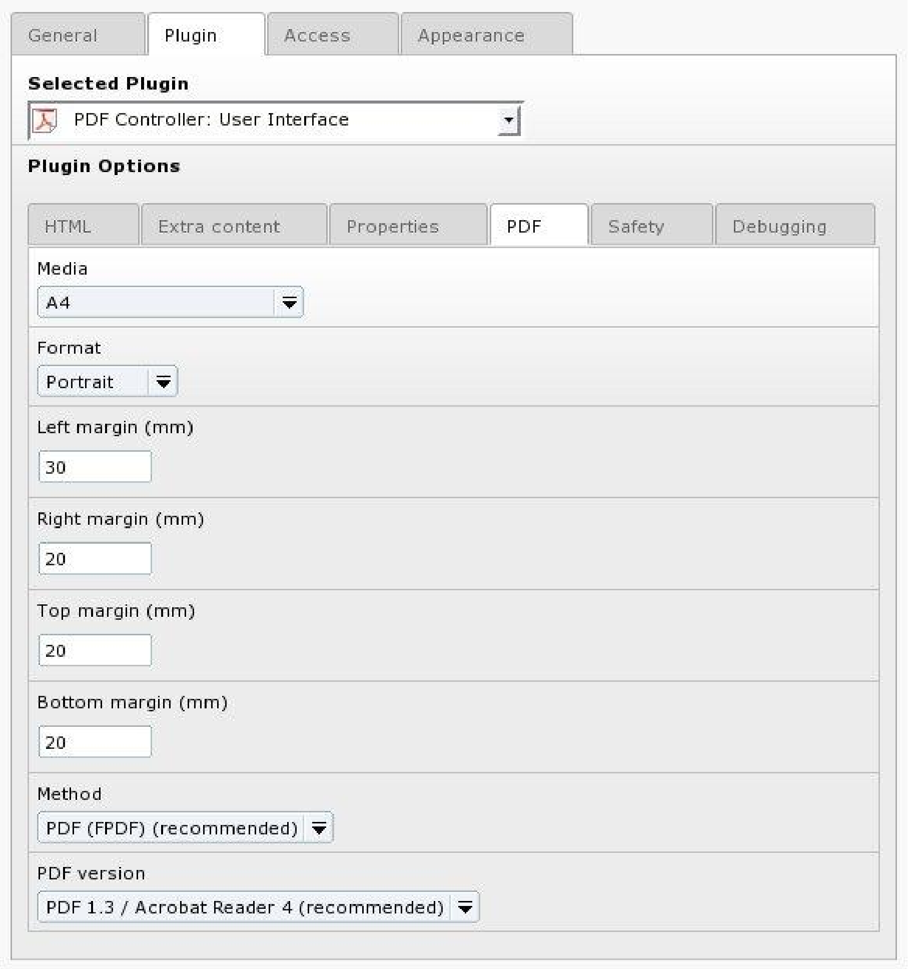
Page/content width: 1280 pixels

Encoding: Autodetect (recommended)

CSS Media: Screen (recommended)

Screen pixel/point ratio: Keep it (recommended)

Illustration 3: PDF Controller User Interface: Properties of the HTML page



Selected Plugin

PDF Controller: User Interface

Plugin Options

Media: A4

Format: Portrait

Left margin (mm): 30

Right margin (mm): 20

Top margin (mm): 20

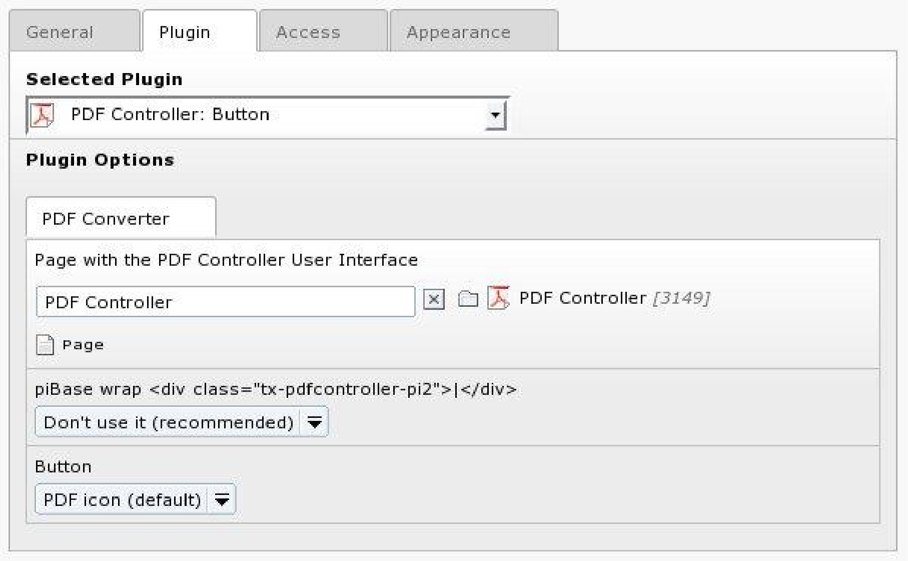
Bottom margin (mm): 20

Method: PDF (FPDF) (recommended)

PDF version: PDF 1.3 / Acrobat Reader 4 (recommended)

Illustration 4: PDF Controller User Interface: Properties of the PDF document

PDF Controller Button



Selected Plugin

PDF Controller: Button

Plugin Options

Page with the PDF Controller User Interface

PDF Controller

PDF Controller *[3149]*

Page

piBase wrap <div class="tx-pdfcontroller-pi2">|</div>

Don't use it (recommended)

Button

PDF icon (default)

Illustration 5: PDF Controller Button

Introduction

What does it do?

- The PDF Controller converts your whole HTML page or parts of your HTML page to a PDF document.
- The CSS compatibility is high level (see more information in section "CSS compatibility list" on page 32 below).
- The PDF Controller has an user interface for controlling the PDF process. The user interface is in English or German depending on the language of the backend user.
- The PDF Controller has a second plugin: The PDF Controller Button.
- The PDF Controller has six tools for development (five frontend tools, one backend tool)
- The PDF Controller generates unique file names.
- The PDF Controller doesn't need an extra page object.
- The PDF Controller is secure: You can use it for PDF converting for the current website only by default.

Restriction

- The PDF-Controller can't manage frontend user sessions.

Manual as PDF file

You find this manual as PDF file at

- doc/manual.pdf
- http://typo3-pdfcontroller.de/typo3conf/ext/pdfcontroller/doc/manual.pdf

Website

The PDF Controller has a website. Please visit

- English
  http://typo3-pdfcontroller.de/en/
- German
  http://typo3-pdfcontroller.de/

Forum

The PDF Controller has a forum (see Forum on page 34 below).

Flyer

The PDF Controller has a flayer (in German language only).

- http://typo3-pdfcontroller.de/flyer/

Installation

- Install the extension PDF Controller (pdfcontroller) and PDF Controller Fonts (pdfcontroller_fonts).
- Create in your library folder (or anywhere) the page:
  - PDF Controller
- Add to the page PDF Controller the plugin PDF Controller User Interface
- Add the plugin PDF Controller Button to the page, which should be downloadable as a PDF document.
- Configure the plugin PDF Controller Button: Link to the PDF Controller User Interface.
- Include the static TypoScript template "PDF Controller Button" into the page with the button.

That's all.

Tutorial I

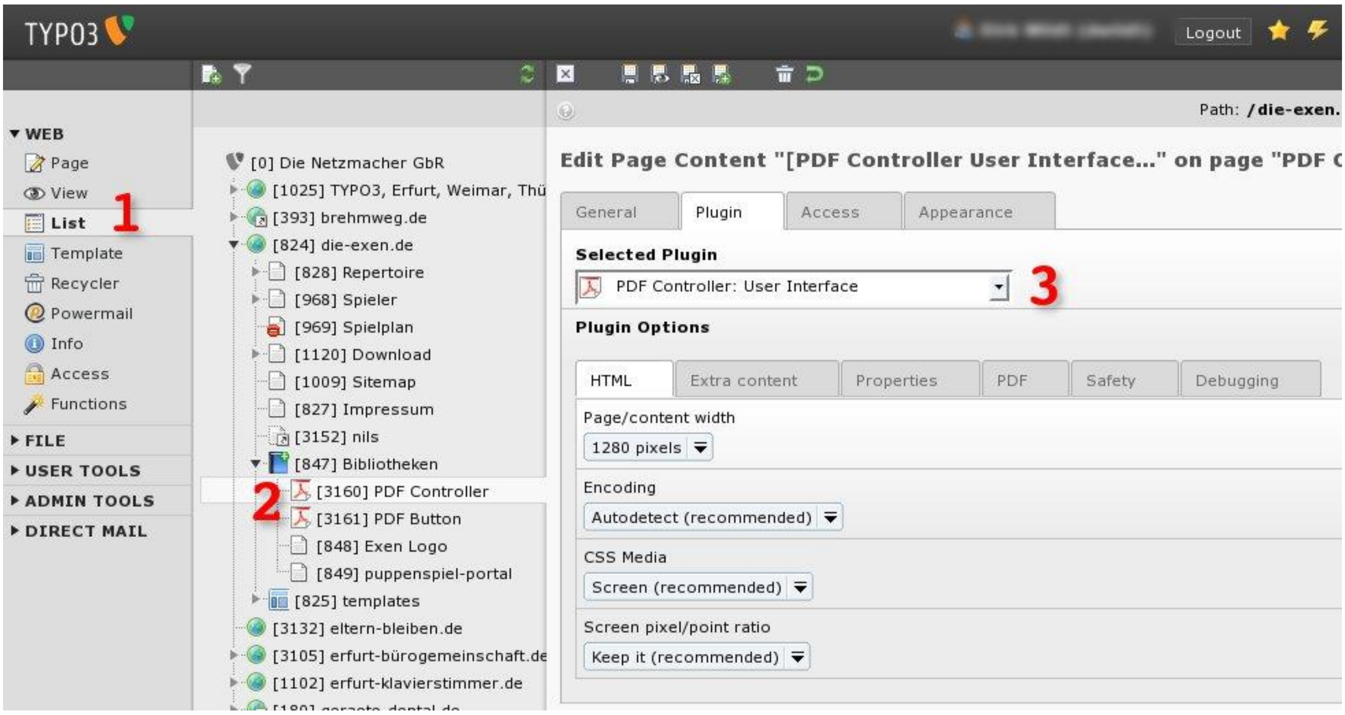
If you like to offer every page for the PDF download, you don't need to add the PDF Controller Button to every page.

You define a central PDF Controller Button and integrate it once by TypoScript to every page.

Installation

The installation is the same like in the section Installation on page 7 above. But you don't need to add the PDF Controller Button to a special page.

Add Pages and Plugins



Edit Page Content "[PDF Controller User Interface..." on page "PDF C

Selected Plugin: PDF Controller: User Interface

Plugin Options

Page/content width: 1280 pixels

Encoding: Autodetect (recommended)

CSS Media: Screen (recommended)

Screen pixel/point ratio: Keep it (recommended)

Illustration 6: Pages and plugin

1. Module — Web > List
2. Page tree — Add to your folder libraries (or another sysfolder) the pages:
   - PDF Controller
   - PDF Button
3. Edit area — Add to your pages the correspondingly plugins.
   - page PDF Controller: the plugin PDF Controller User Interface
   - page PDF Button: the plugin PDF Controller Button

Add the page tree icon

If you like the PDF icon for your pages in the page tree like in the illustration below, please configure the page properties of the pages PDF Controller and PDF Button.

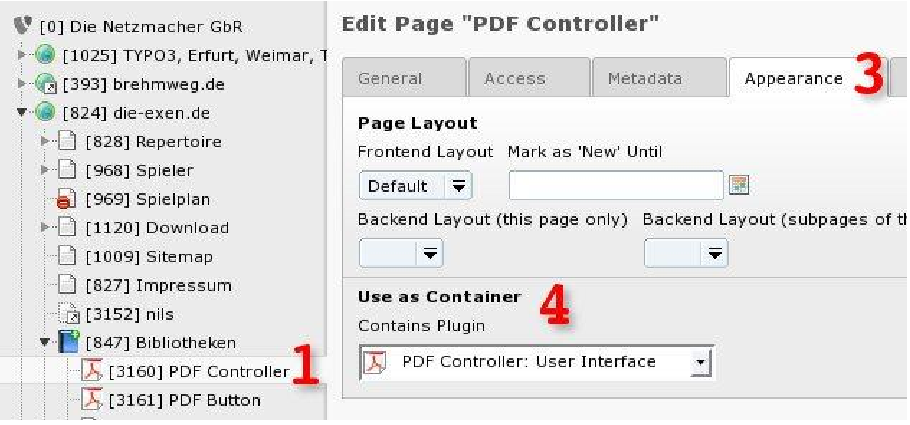


Illustration 7: Page contains the plugin ...

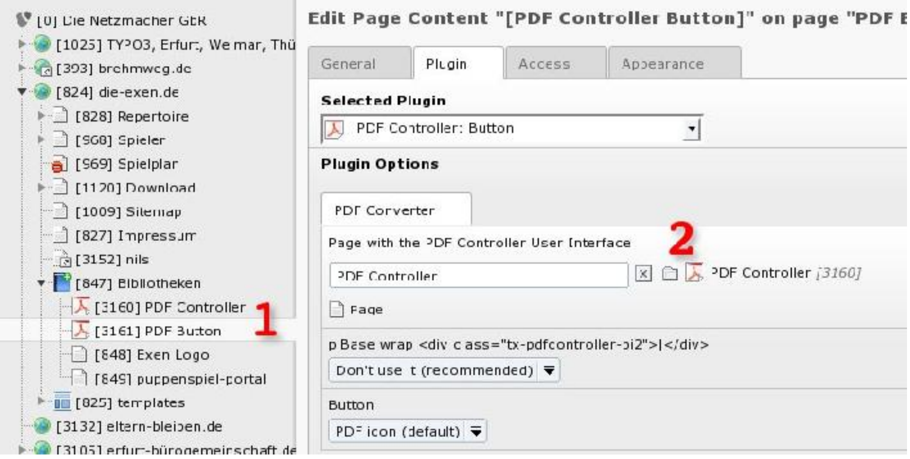
1.	Page tree	PDF Controller
2.	Edit area	Edit page properties
3.		Tab [Appearance]
4.		Field [Contains Plugin]: PDF Controller: User Interface

Repeat the steps for the page PDF Button.

Add more page tree icons?

Do you like the library icon in the illustration above? It's available after installing the extension "TSconfig Pages and Users by extManager" (extkey: tsconf). See "Other extensions by Die Netzmacher GbR" on page 33 below.

Configure the Plugin Button



Edit Page Content "[PDF Controller Button]" on page "PDF B

Selected Plugin: PDF Controller: Button

Plugin Options

Page with the PDF Controller User Interface: PDF Controller — PDF Controller [3160]

Page

pBase wrap <div class="tx-pdfcontroller-pi2">|</div>: Don't use it (recommended)

Button: PDF icon (default)

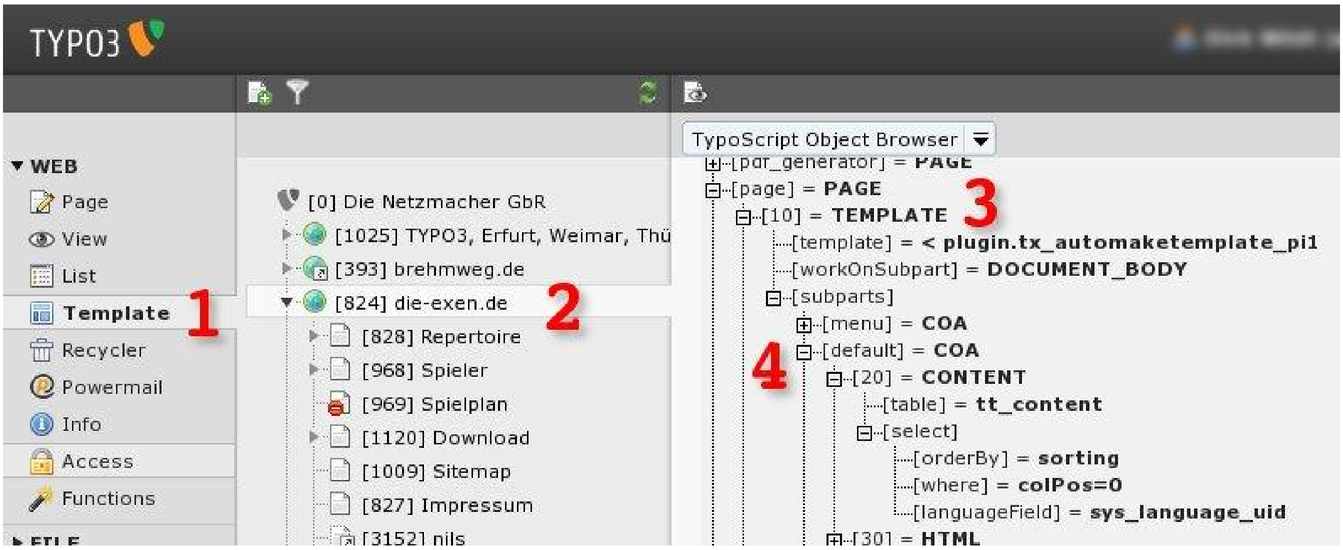
Illustration 8: Pages and plugin

1.	Page tree	PDF Button
2.	Edit area	Edit the plugin PDF Controller Button: Connect the button with the page PDF Controller.

Adapt the TypoScript to your needs

This is an example for a TypoScript without TemplaVoilá. If you are using TemplaVoilá, the workflow will be different.

Please inspect your TypoScript code. Please find the TypoScript array, where you want to place the button like in the example below.



```
[pdf_generator] = PAGE
[page] = PAGE
  [10] = TEMPLATE
    [template] = < plugin.tx_automaketemplate_pi1
    [workOnSubpart] = DOCUMENT_BODY
    [subparts]
      [menu] = COA
      [default] = COA
        [20] = CONTENT
          [table] = tt_content
          [select]
            [orderBy] = sorting
            [where] = colPos=0
            [languageField] = sys_language_uid
        [30] = HTML
```

Illustration 9: TypoScript Object Browser

1.	Module	Web > Template
2.	Page tree	Root page (in the illustration above: die-exen.de)
3.	Edit area	TypoScript Object Browser Look for the content area in your TypoScript page object. In the illustration above: page.10.template.subparts.default

TypoScript Snippet

The content area is in our example above:

```
page.10.template.subparts.default.20
```

If we want the PDF button on the top of the content area, we have to add something like this:

```
page.10.template.subparts.default.10
```

If we want the PDF button on the bottom of the content area, we have to add something like this:

```
page.10.template.subparts.default.30
```

The whole snippet for our example:

```
page {
  10 {
    subparts {
      default {
        10 = COA
        10 {
          wrap = <div style="padding-top:1em;text-align:right;"> | </div>
          10 < styles.content.get
          10 {
            select {
                // Id of the page PDF Button
              pidInList = 3161
            }
          }
        }
        40 = COA
        40 {
          wrap = <div style="text-align:right;"> | </div>
          10 < styles.content.get
          10 {
            select {
                // Id of the page PDF Button
              pidInList = 3161
            }
          }
        }
      }
    }
  }
}
```

Add Snippet and the Include Static Template

1. Please add the snippet to the TypoScript template at the bottom of the field setup of your root page. This is the quick way. The better way is, to create an extension template with the TypoScript snippet and include the extension template into the TypoScript template of the root page.
2. Please include the static Template "PDF Controller: button (pdfcontroller)" into the TypoScript template of your root-page.

Tutorial II

Usually it is a need, to take another HTML template and another CSS for your PDF document.

Reasons are often:

- You don't need navigation tools like a menu in your PDF document.
- You don't need a header image.
- You like a logo at the top and a footer at the bottom.
- The background color of your HTML page is black (bad for printers).

If you need another HTML template or another CSS or an extended CSS, you have to configure another TYPO3 page object.

Result of Tutorial II is a page object, an optimized HTML page for printing and an optimized PDF document.

Based on

This tutorial is based on

- tutorial I and
- the real example http://die-exen.de/

If you didn't follow tutorial I, please do it now.

Your needs will defer from http://die-exen.de/. Please adapt the TypoScript snippets below to your needs.

Page Object

Copy the current Page Object

```
1.    ////////////////////////////////////////////////////////
2.    //
3.    // Page optimized for printing (typeNum 98)
4.
5.  print < page
6.  print {
7.    typeNum = 98
8.    config >
9.    config {
10.     admPanel        = 0
11.     xhtml_cleaning  = 0
12.     language        = de
13.     locale_all      = de_DE
14.     metaCharset     = UTF-8
15.     doctype         = xhtml_strict
16.     htmlTag_langKey = de
17.     no_cache        = 1
18.   }
19. }
20. // Page optimized for printing (typeNum 98)
```

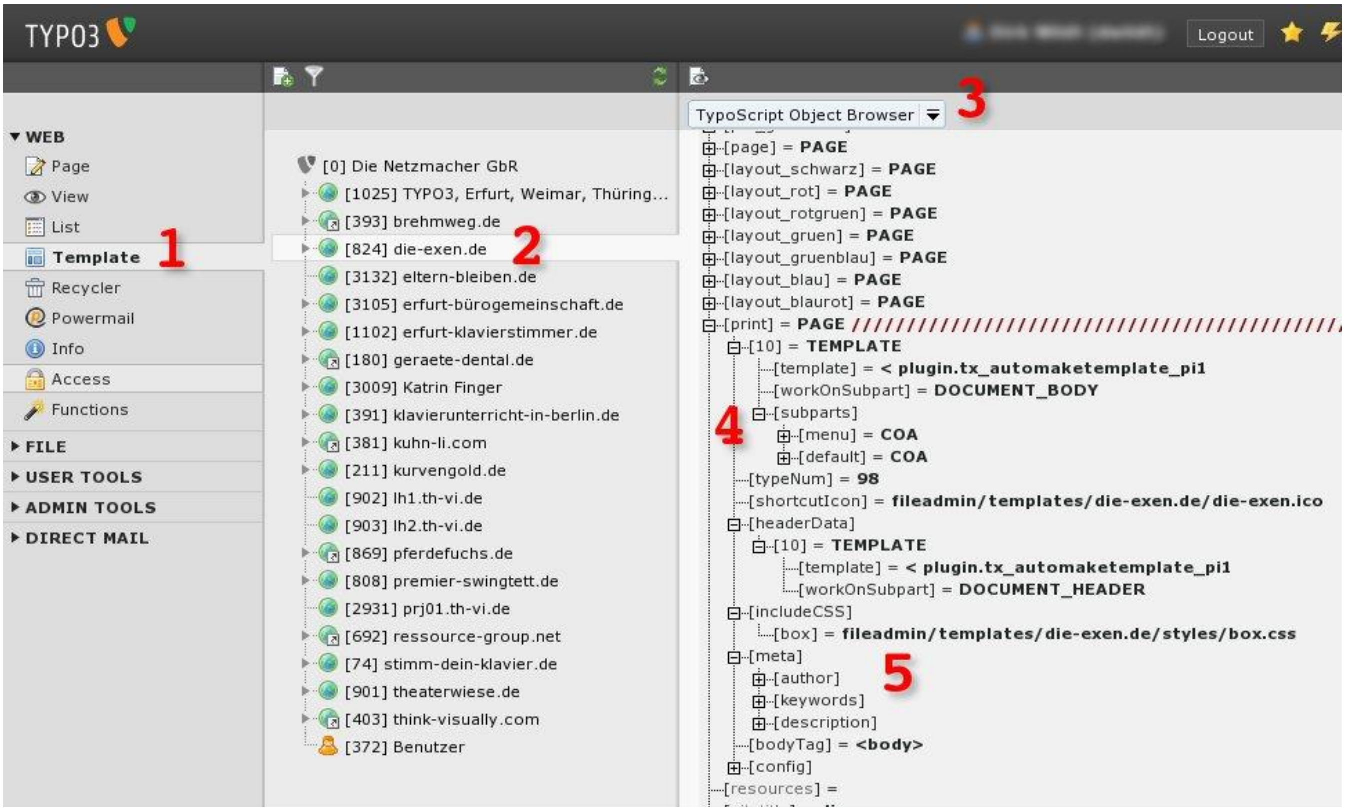
Line 5:	Copy your current page object to the new object print. If your current page object isn't called page, please adapt this line to your needs.
Line 7:	typeNum of the print object is 98. 98 is used in context of printing usually. But feel free to take another typeNum.
Line 8:	Remove the config of the page object.
Line 9-18:	Define a new config array adapted to your needs. In the example above the language of the website is German. If it isn't in your case, please adapt localisation properties to your needs.
Line 17:	If you are using tt_content only for delivering content, you may cache the print object. Set no_cache to 0. But if you are using records like tt_news or another database, it is recommended not to cache the output.

Remove not needed Properties

Now you have to inspect your print object. It is recommended to inspect the TypoScript with the TypoScript Object Browser.

You have to remove not needed properties. This depends on the configuration of your page object.

In our example – it is based on the real website http://die-exen.de/ - we have to remove the properties below.



```
[page] = PAGE
[layout_schwarz] = PAGE
[layout_rot] = PAGE
[layout_rotgruen] = PAGE
[layout_gruen] = PAGE
[layout_gruenblau] = PAGE
[layout_blau] = PAGE
[layout_blaurot] = PAGE
[print] = PAGE
  [10] = TEMPLATE
    [template] = < plugin.tx_automaketemplate_pi1
    [workOnSubpart] = DOCUMENT_BODY
    [subparts]
      [menu] = COA
      [default] = COA
  [typeNum] = 98
  [shortcutIcon] = fileadmin/templates/die-exen.de/die-exen.ico
  [headerData]
    [10] = TEMPLATE
      [template] = < plugin.tx_automaketemplate_pi1
      [workOnSubpart] = DOCUMENT_HEADER
  [includeCSS]
    [box] = fileadmin/templates/die-exen.de/styles/box.css
  [meta]
    [author]
    [keywords]
    [description]
  [bodyTag] = <body>
  [config]
[resources] =
```

Illustration 10: Inspect your TypoScript

1.	Module	Web > Template
2.	Page tree	Root page (in the illustration above: die-exen.de)
3.	Edit area	TypoScript Object Browser
4.		The menu should removed. It is part of the array subparts.
5.		Some meta properties should removed. This is for search engines only to avoid double content.

```
  // Remove some meta tags
print.meta.keywords >
print.meta.description >
  // Replace subpart menu with a space char
print.10.subparts.menu >
print.10.subparts.menu = &nbsp;
  // Remove pdf controller button at top and bottom
print.10.subparts.default.10 >
print.10.subparts.default.40 >
```

Add a footer

We need a footer in our example. We add this TypoScript snippet:

```
  // Footer
print {
  10 {
    subparts {
      default {
        40 = COA
        40 {
          wrap = <div id="footer_type98">|</div>
          10 = TEXT
          10 {
            wrap = http://die-exen,de|<br />
            typolink {
              parameter                  = {page:uid},0
              parameter.insertData       = 1
              returnLast                 = url
            }
          }
          21 = TEXT
          21.value = &#169; die-exen.de, c/o puppenspiel-portal.eu, Borntalweg 4, 99092
Erfurt&nbsp;|&nbsp;
          22 = TEXT
          22.data = date:U
          22.strftime = Gedruckt am %d.%m.%y um %T Uhr
        }
      }
    }
  }
}
```

CSS

We have to overwrite some CSS properties. This is the CSS file:

```
body {
  background-image:url(images/hintergrund_14.gif);
  background-color:white;
  color:black;
}
a,
a:link,
a:visited {
  color: #546600;
}
a:active, a:hover {
  color: #D0FF00;
}
#menu {
  display:none;
}
#footer_type98 {
  font-weight:normal;
  font-size:.6em;
  padding-top:1em;
  text-align:center;
}
```

The TypoScript in prose:

- We need another background colour and background image.
- We need another colour for links
- Don't display the menu
- Some pother roperties for our footer

Upload the CSS file

We upload the file to the path:

```
fileadmin/templates/die-exen.de/styles/pdf_controller.css
```

Include the CSS file

```
print {
  includeCSS {
    pdf_controller = fileadmin/templates/die-exen.de/styles/pdf_controller.css
  }
}
```

Result

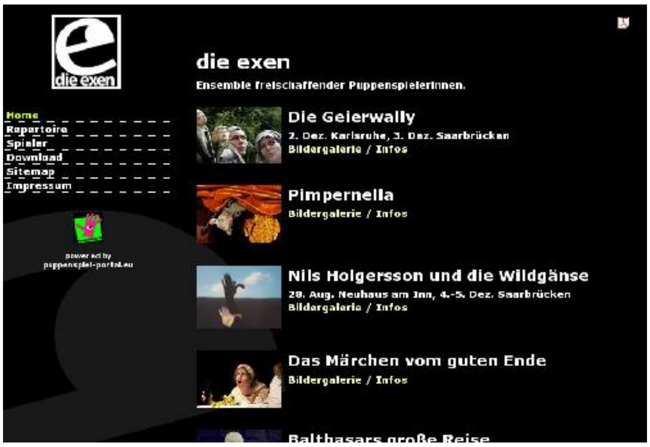

die exen
Ensemble freischaffender PuppenspielerInnen.
Home
Repertoire
Spieler
Download
Sitemap
Impressum
Die Geierwally
2. Dez. Karlsruhe, 3. Dez. Saarbrücken
Bildergalerie / Infos
Pimpernella
Bildergalerie / Infos
Nils Holgersson und die Wildgänse
28. Aug. Neuhaus am Inn, 4.-5. Dez. Saarbrücken
Bildergalerie / Infos
Das Märchen vom guten Ende
Bildergalerie / Infos
Balthasars große Reise

Illustration 11: die-exen.de HTML page

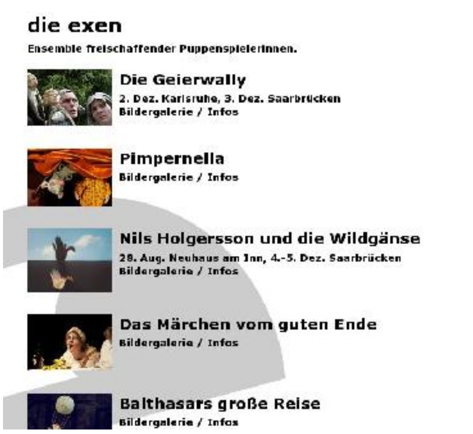

die exen
Ensemble freischaffender PuppenspielerInnen.
Die Geierwally
2. Dez. Karlsruhe, 3. Dez. Saarbrücken
Bildergalerie / Infos
Pimpernella
Bildergalerie / Infos
Nils Holgersson und die Wildgänse
28. Aug. Neuhaus am Inn, 4.-5. Dez. Saarbrücken
Bildergalerie / Infos
Das Märchen vom guten Ende
Bildergalerie / Infos
Balthasars große Reise
Bildergalerie / Infos

Illustration 12: die-exen.de optimized for printing

The HTML page optimized for printing is a very good base for the PDF conversion.

Next step is, to extend the PDF Controller button with a button for printing.

Button for PDF download and for Printing

The PDF Controller has a master_template for this job.

You have to do this:

- Allocate the master_template to the current button property
- Set the ID of the page PDF Controller in the TYPO3 Constant Editor

Allocate one of the master_templates

You aren't using realUrl

You have URL like http://my-domain.com/index.php?id=123

```
1.  plugin.tx_pdfcontroller_pi2 {
2.    button >
3.    button < plugin.tx_pdfcontroller_pi2.master_templates.pdf_and_print_button_rawUrlEncode
4.    button {
5.      wrap = <div id="menuIcons"><ul> | </ul></div>
6.      10 {
7.        imageLinkWrap {
8.          typolink {
9.            additionalParams := appendString(%26tx_pdfcontroller_pi1[pixels]=700)
10.         }
11.       }
12.     }
13.   }
14. }
```

Line 5 + 6: We allocates the master_template "pdf_and_print_button_rawUrlEncode" to the current button configuration.

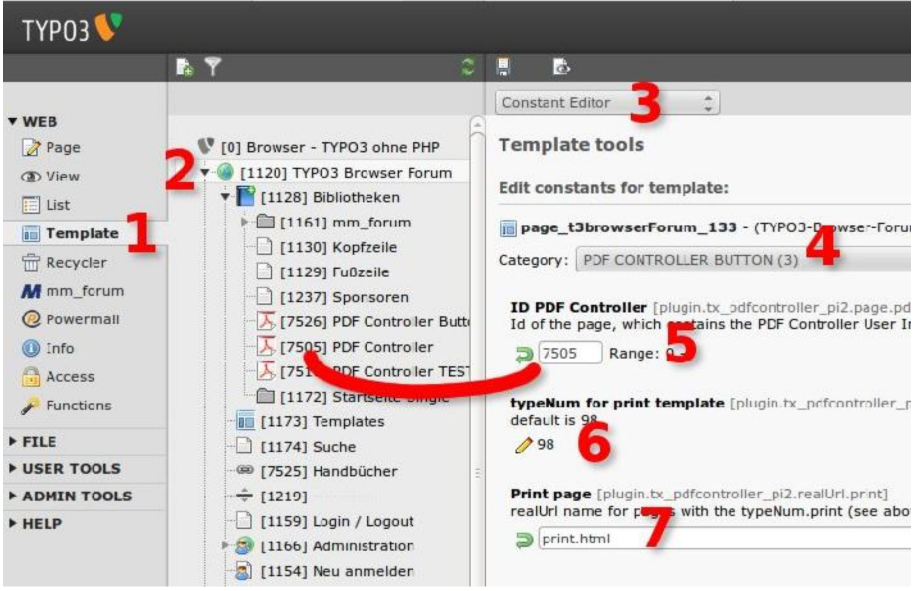
You are using realUrl

You have URL like http://my-domain.com/typo3-support/

```
1.  plugin.tx_pdfcontroller_pi2 {
2.    button >
3.    button < plugin.tx_pdfcontroller_pi2.master_templates.pdf_and_print_button_realUrl
4.    button {
5.      wrap = <div id="menuIcons"><ul> | </ul></div>
6.      10 {
7.        imageLinkWrap {
8.          typolink {
9.            additionalParams := appendString(&tx_pdfcontroller_pi1[pixels]=700)
10.         }
11.       }
12.     }
13.   }
14. }
```

Line 5 + 6: We allocates the master_template "pdf_and_print_button_realUrl" to the current button configuration.

Set the ID of the page PDF Controller in the TYPO3 Constant Editor



Constant Editor

Template tools

Edit constants for template:

page_t3browserForum_133 - (TYPO3-Browser-Foru

Category: PDF CONTROLLER BUTTON (3)

ID PDF Controller [plugin.tx_pdfcontroller_pi2.page.pd
Id of the page, which contains the PDF Controller User I
7505 Range: 0

typeNum for print template [plugin.tx_pdfcontroller_p
default is 98
98

Print page [plugin.tx_pdfcontroller_pi2.realUrl.print]
realUrl name for pages with the typeNum.print (see abo
print.html

Illustration 13: TypoScript Constant Editor

You are welcome to edit three TypoScript constants:

1. Web > Template
2. Page tree: root page
3. Edit area: Choose [Constant Editor]
4. Choose [PDF Controller Button]
5. Fill in the id of the page with your PDF Controller plugin
6. The typeNum of your print page, if ypu have one
7. The URL name of your print page, if you have one and if your are using realUrl

Completely TypoScript

This is the completely TypoScript code of Tutorial II (consolidated):

```
page {
  10 {
    subparts {
      default {
        10 < plugin.tx_pdfcontroller_pi2.master_templates.pdf_and_print_button
        40 < plugin.tx_pdfcontroller_pi2.master_templates.pdf_and_print_button
      }
    }
  }
}

print < page
print {
  typeNum = 98
  config >
  config {
    admPanel         = 0
    xhtml_cleaning   = 0
    language         = de
    locale_all       = de_DE
    metaCharset      = UTF-8
    doctype          = xhtml_strict
    htmlTag_langKey = de
    no_cache         = 1
  }
  meta {
    keywords >
    description >
  }
  includeCSS {
    pdf_controller = fileadmin/templates/die-exen.de/styles/pdf_controller.css
  }
  10 {
    subparts {
      menu >
      menu = &nbsp;
      default {
        10 >
        30 >
        40 >
        40 = COA
        40 {
          wrap = <div id="footer_type98">|</div>
          10 = TEXT
          10 {
            wrap = http://die-exen.de/|<br />
            typolink {
              parameter                 = {page:uid},0
              parameter.insertData      = 1
              returnLast                = url
            }
          }
          21 = TEXT
          21.value = &#169; die-exen.de, c/o puppenspiel-portal.eu, Borntalweg 4, 99092
Erfurt&nbsp;|&nbsp;
          22 = TEXT
          22.data = date:U
          22.strftime = Gedruckt am %d.%m.%y um %T Uhr
        }
      }
    }
  }
}
```

Optimisation

We optimize the PDF file.

Edit the plugin/flexform PDF Controller User Interface on the page PDF Controller:

- Tab [HTML] field [Page/content width]: 640 pixels
- Tab [PDF] fields margins: We reduce the margin

If you need another value than the offered values of the flexform, you can configure it by TypoScript. See a snippet at "html2ps - Example" on page 29 below.

Result

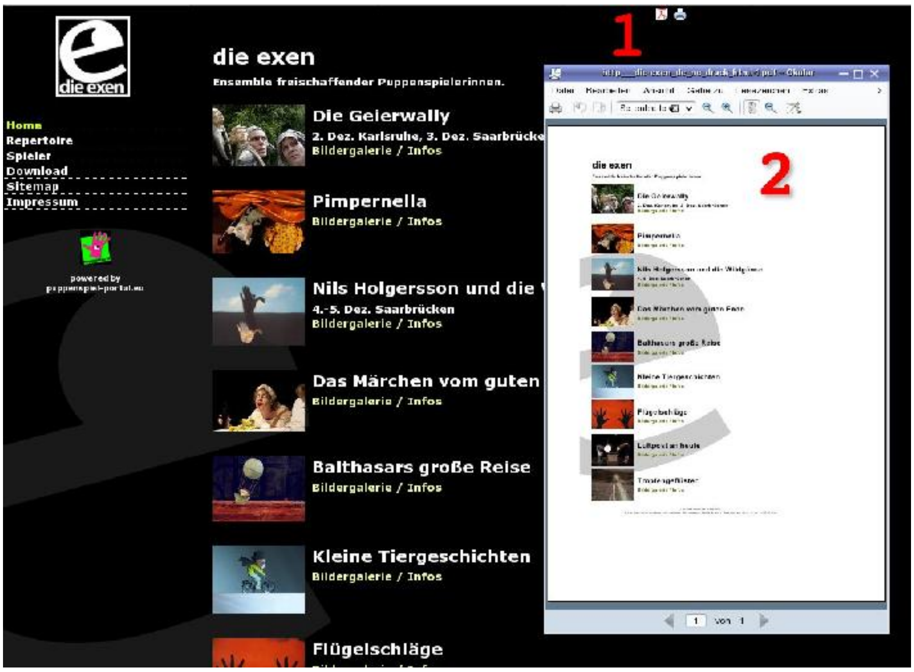


Illustration 14: Result of the tutorial II

1. http://die-exen.de with PDF button and print button
2. The generated PDF file in a PDF viewer

Development

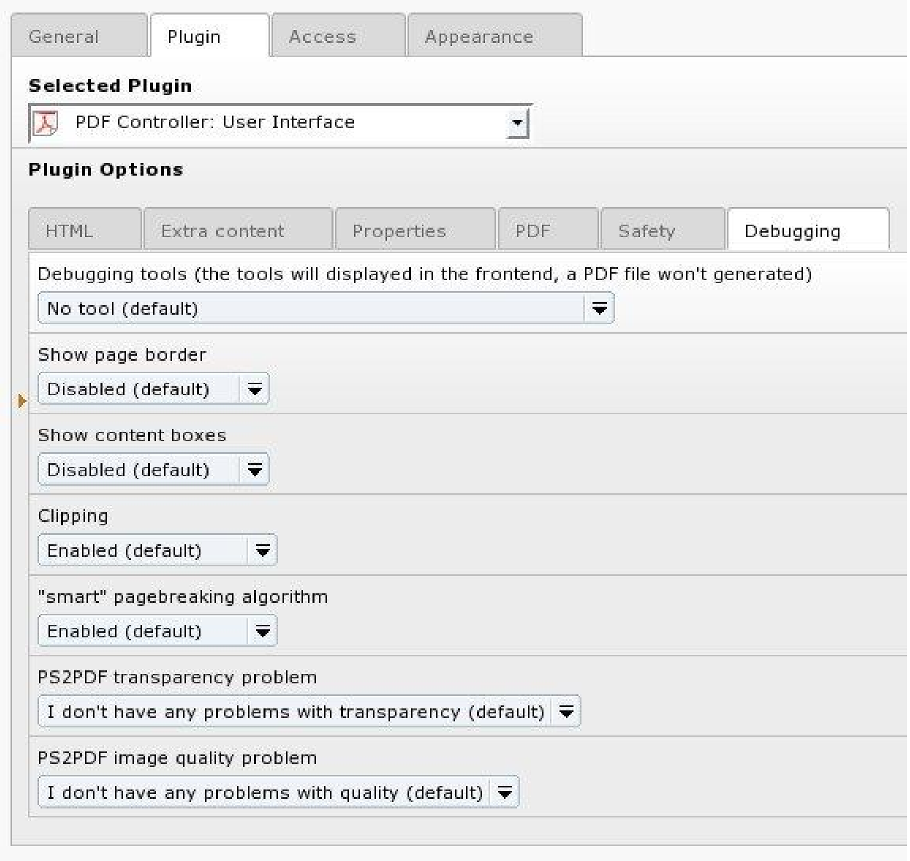
Requirements

You have to be a TYPO3 administrator for using the developer tools.

Plugin

You have some options in the tab [Debugging], if you like to develop the PDF Controller or if you want to get some informations only.

The first select box is powerful: You can select one of four frontend tools. See Frontend Tools on page 20 below.



Selected Plugin

PDF Controller: User Interface

Plugin Options

Debugging tools (the tools will displayed in the frontend, a PDF file won't generated)
No tool (default)

Show page border
Disabled (default)

Show content boxes
Disabled (default)

Clipping
Enabled (default)

"smart" pagebreaking algorithm
Enabled (default)

PS2PDF transparency problem
I don't have any problems with transparency (default)

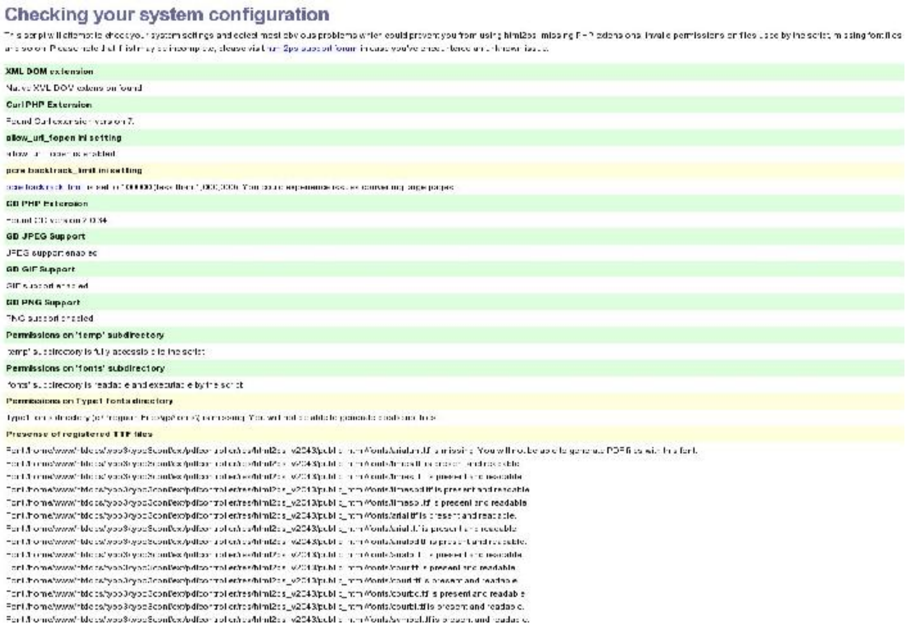
PS2PDF image quality problem
I don't have any problems with quality (default)

Illustration 15: PDF Controller with the tab [Debugging]

Frontend Tools

Check system requirements

You will get a report with checked system requirements in the frontend.



Checking your system configuration

This script will attempt to check your system settings and detect most obvious problems which could prevent you from using html2ps: missing PHP extensions, invalid permissions on files used by the script, missing font files and so on. Please note that this may be incomplete, please visit html2ps support forum in case you've encountered an unknown issue.

XML DOM extension
Native XML DOM extension found

Curl PHP Extension
Found Curl extension version 7.

allow_url_fopen ini setting
allow_url_fopen is enabled

pcre.backtrack_limit ini setting
pcre.backtrack_limit is set to 100000 (less than 1,000,000). You could experience issues converting large pages.

GD PHP Extension
Found GD version 2.0.34

GD JPEG Support
JPEG support enabled

GD GIF Support
GIF support enabled

GD PNG Support
PNG support enabled

Permissions on 'temp' subdirectory
'temp' subdirectory is fully accessible to the script

Permissions on 'fonts' subdirectory
'fonts' subdirectory is readable and executable by the script

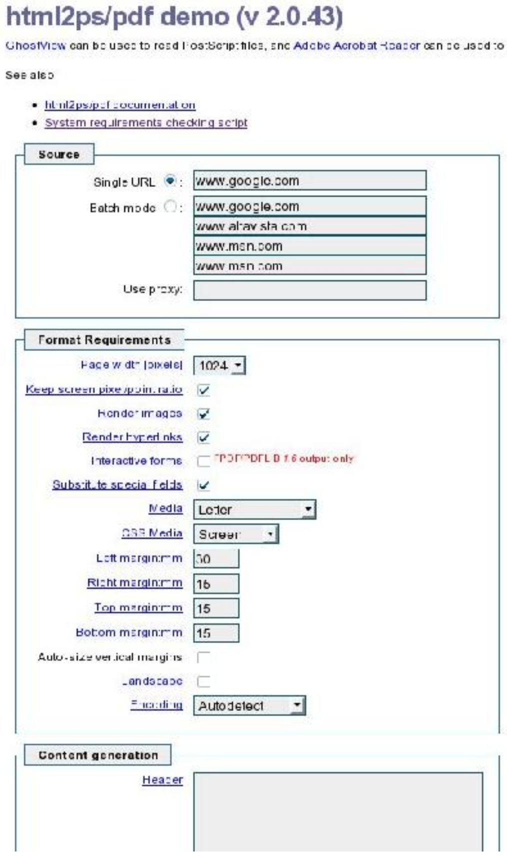
Permissions on Type1 fonts directory
Type1 fonts directory [illegible] is missing. You will not be able to generate postscript files.

Presence of registered TTF files
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/arialuni.ttf is missing. You will not be able to generate PDF files with this font.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/timesbi.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/times.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/timesbd.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/timesi.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/arial.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/ariali.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/arialbd.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/arialbi.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/cour.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/couri.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/courbd.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/courbi.ttf is present and readable.
Font /home/www/htdocs/typo3/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/fonts/symbol.ttf is present and readable.

Illustration 16: Report with checked system requirements

Test form for your URL and your parameters

Send an URL manually to html2ps. Only an URL containing your host is accepted.



html2ps/pdf demo (v 2.0.43)

GhostView can be used to read PostScript files, and Adobe Acrobat Reader can be used to read PDF files.

See also

- html2ps/pdf documentation
- System requirements checking script

Source

Single URL ●: www.google.com
Batch mode ○: www.google.com
www.altavista.com
www.msn.com
www.msn.com
Use proxy:

Format Requirements

Page width (pixels): 1024
Keep screen pixel/point ratio: ☑
Render images: ☑
Render hyperlinks: ☑
Interactive forms: □ (PDF/PDFLIB 1.6 output only)
Substitute special fields: ☑
Media: Letter
CSS Media: Screen
Left margin mm: 30
Right margin mm: 15
Top margin mm: 15
Bottom margin mm: 15
Auto-size vertical margins: □
Landscape: □
Encoding: Autodetect

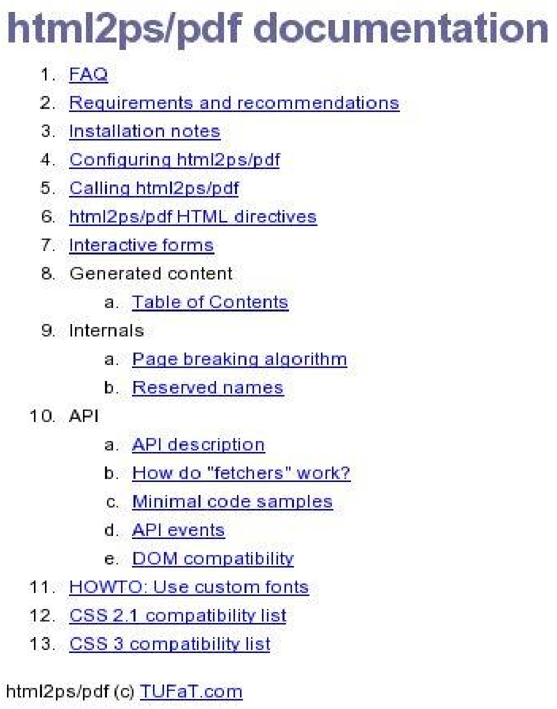
Content generation

Header:

Illustration 17: Form for sending an URL manually

html2ps documentation

Very helpful documentation, if you want to configure the conversion from HTML to PDF.



html2ps/pdf documentation

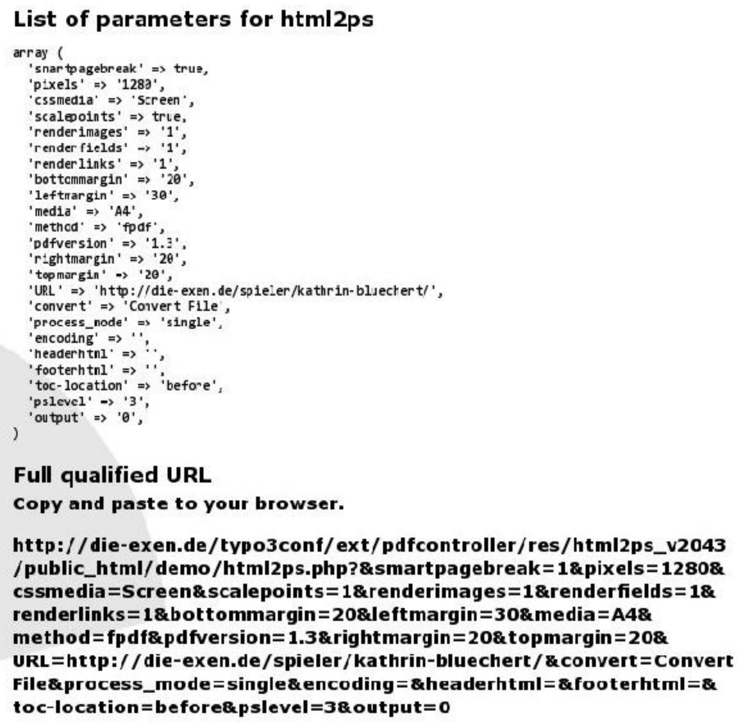
1. FAQ
2. Requirements and recommendations
3. Installation notes
4. Configuring html2ps/pdf
5. Calling html2ps/pdf
6. html2ps/pdf HTML directives
7. Interactive forms
8. Generated content
   a. Table of Contents
9. Internals
   a. Page breaking algorithm
   b. Reserved names
10. API
    a. API description
    b. How do "fetchers" work?
    c. Minimal code samples
    d. API events
    e. DOM compatibility
11. HOWTO: Use custom fonts
12. CSS 2.1 compatibility list
13. CSS 3 compatibility list

html2ps/pdf (c) TUFaT.com

Illustration 18: html2ps documentation

List with parameters, which will send to html2ps

Get a list with the parameters, which will send to html2ps.



List of parameters for html2ps

```
array (
  'smartpagebreak' => true,
  'pixels' => '1280',
  'cssmedia' => 'Screen',
  'scalepoints' => true,
  'renderimages' => '1',
  'renderfields' => '1',
  'renderlinks' => '1',
  'bottommargin' => '20',
  'leftmargin' => '30',
  'media' => 'A4',
  'method' => 'fpdf',
  'pdfversion' => '1.3',
  'rightmargin' => '20',
  'topmargin' => '20',
  'URL' => 'http://die-exen.de/spieler/kathrin-bluechert/',
  'convert' => 'Convert File',
  'process_mode' => 'single',
  'encoding' => '',
  'headerhtml' => '',
  'footerhtml' => '',
  'toc-location' => 'before',
  'pslevel' => '3',
  'output' => '0',
)
```

Full qualified URL

Copy and paste to your browser.

http://die-exen.de/typo3conf/ext/pdfcontroller/res/html2ps_v2043/public_html/demo/html2ps.php?&smartpagebreak=1&pixels=1280&cssmedia=Screen&scalepoints=1&renderimages=1&renderfields=1&renderlinks=1&bottommargin=20&leftmargin=30&media=A4&method=fpdf&pdfversion=1.3&rightmargin=20&topmargin=20&URL=http://die-exen.de/spieler/kathrin-bluechert/&convert=Convert File&process_mode=single&encoding=&headerhtml=&footerhtml=&toc-location=before&pslevel=3&output=0

Illustration 19: Report with parameters, which will send to html2ps

Don't suppress PHP error messages

Mostly relevant to developers: What would happen if an error message appears?
([SYS][displayErrors] has to be set to 1 or 2 in Install Tool.)

Backend Tool

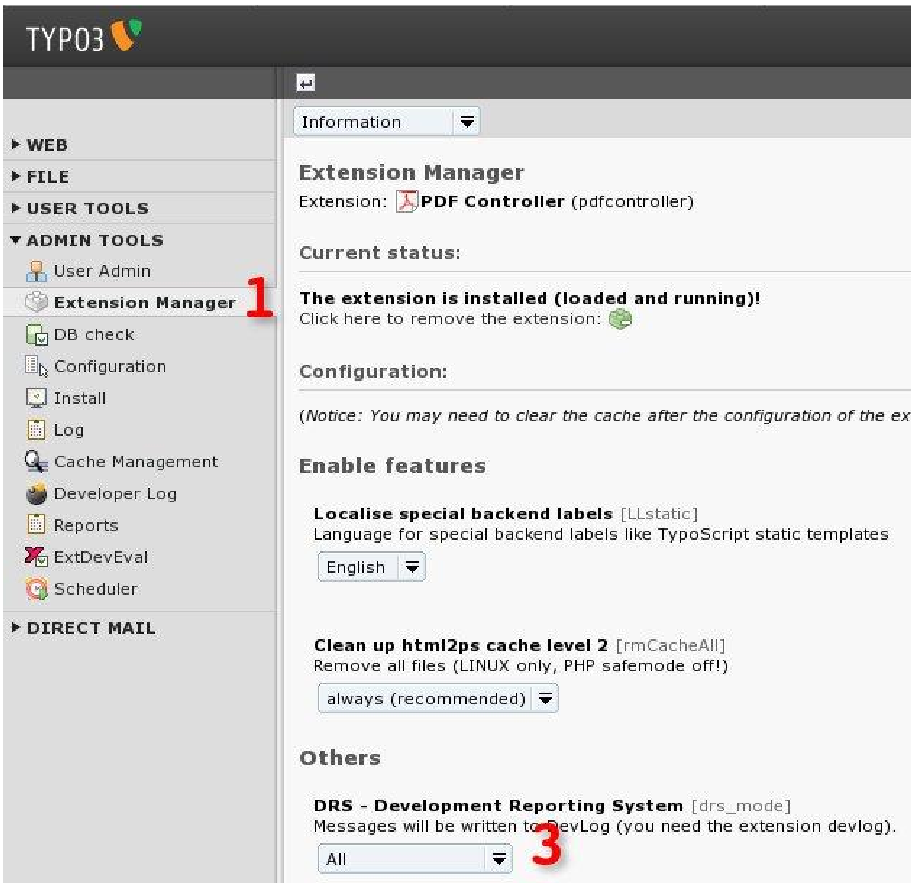
Enable DRS – the Development Reporting System

The PDF Controller is supported by the DRS - the Development Reporting System. You enable the DRS with the extension manager of the PDF Controller.

You can follow the complete work flow of the plugin PDF Controller.

If DRS is enabled, you will receive a report in the backend. It is supporting you in case of errors or if you like to develop the PDF Controller.

You need the extension devlog.



Extension Manager

Extension: PDF Controller (pdfcontroller)

Current status:

The extension is installed (loaded and running)!
Click here to remove the extension:

Configuration:

(Notice: You may need to clear the cache after the configuration of the ex

Enable features

Localise special backend labels [LLstatic]
Language for special backend labels like TypoScript static templates
English

Clean up html2ps cache level 2 [rmCacheAll]
Remove all files (LINUX only, PHP safemode off!)
always (recommended)

Others

DRS - Development Reporting System [drs_mode]
Messages will be written to DevLog (you need the extension devlog).
All

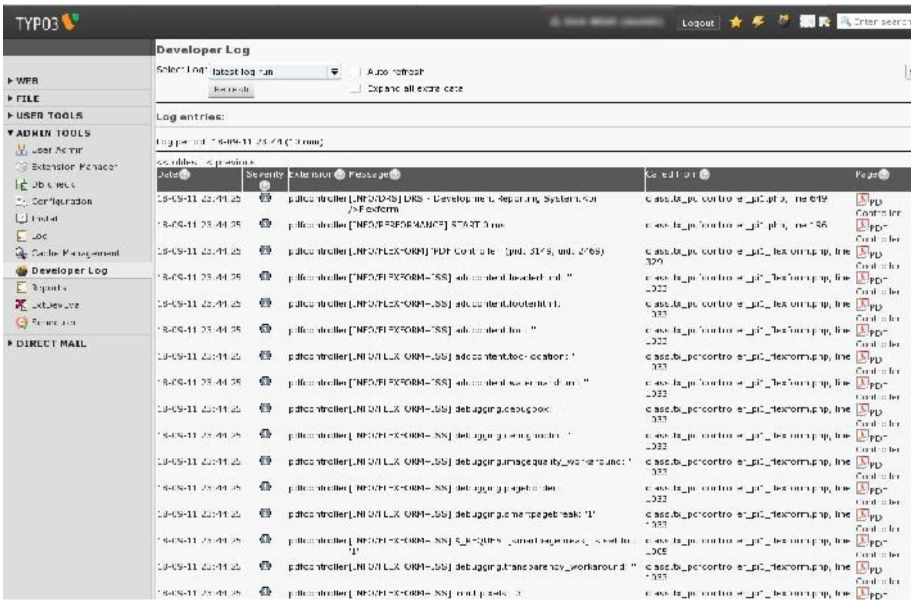
Illustration 20: PDF Controller in the extension manager

1.	Module	Admin Tools > Extension Manager
2.	Edit area	Select PDF Controller (pdfcontroller)
3.		Enable the DRS

DRS options

- Don't log anything
- Errors and Warnings
- Flexform
- Marker
- Performance
- Security
- TypoLink
- All

Get the Report



Developer Log

Select Log: latest log run
Refresh
□ Auto refresh
□ Expand all extra data

Log entries:

Log period: 18-09-11 23:44 (0.0 ms)

<< oldest < previous

Date	Severity	Extension Message	Called From	Page
18-09-11 23:44:25		pdfcontroller [INFO/DRS] DRS - Development Reporting System: <br />Flexform	class.tx_pdfcontroller_pi1.php, line 619	PDF Controller
18-09-11 23:44:25		pdfcontroller [INFO/PERFORMANCE] START 0 ms	class.tx_pdfcontroller_pi1.php, line 196	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM] 'PDF Controller' (pid: 3149, uid: 2769)	class.tx_pdfcontroller_pi1_flexform.php, line 329	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] addcontent.headerhtml: ''	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] addcontent.footerhtml:	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] addcontent.toc: ''	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] addcontent.toc-location: ''	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] addcontent.watermark.[illegible]: ''	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] debugging.debugbox:	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] debugging.[illegible]: ''	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] debugging.imagequality_workaround: ''	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] debugging.pageborder:	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] debugging.smartpagebreak: '1'	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] $_REQUEST[...smartpagebreak...] is set to '1'	class.tx_pdfcontroller_pi1_flexform.php, line 1065	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] debugging.transparency_workaround: ''	class.tx_pdfcontroller_pi1_flexform.php, line 1033	PDF-Controller
18-09-11 23:44:25		pdfcontroller [INFO/FLEXFORM-CSS] [illegible] pixels: [illegible]	class.tx_pdfcontroller_pi1_flexform.php, line	PDF-

Illustration 21: DRS report

1. Module Admin Tools > Developer Log

SEO - Search Engine Optimisation

You are optimising your website for search engines in principle, that your content will be found and indexed in a meaningful context.

But if your are offering an HTML page for PDF download and for optimised printing, you don't like the a twice or triple indexing - because of performance.

rel="nofollow"

Links to the pdf controller shouldn't indexed by default.

The <a> tag has the property rel="nofollow"

This effects that search engines doesn't follow the link - they don't download your PDF document. They don't index it.

That's what you want.

If you have a need to index PDF documents by search engines, please remove the TypoScript ATagParams. See the snippet below.

TypoScript snippet

```
plugin.tx_pdfcontroller_pi2 {
  button = IMAGE
  button {
    ...
    imageLinkWrap {
      enable = 1
      typolink {
        ...
        ATagParams = rel="nofollow"
      }
    }
  }
}
```

Errors and warnings

Defined

Warning #1: piVars aren't set

The page with the plugin PDF Controller is called without any parameter.

Warning #2: piVars[URL] isn't set

The page with the plugin PDF Controller is called without the parameter &tx_pdfcontroller_pi1[URL].

Warning #3: piVars[URL] is empty

The page with the plugin PDF Controller is called with the parameter &tx_pdfcontroller_pi1[URL] but the parameter is empty.

Undefined

The PDF Controller doesn't work

Sometimes you get the start page as an HTML, but not the selected page as a PDF file.

The cause is very often a broken URL.

We know this problems especially:

- If you are using an extension and the extension delivers a parameter array like the MM forum (example: tx_mmforum_pi1[action]=...&tx_forum[list]=...), the PDF Controller doesn't work proper.
- If you are using realUrl mixed with parameters like .../my-site/?&type=98 the question mark is missing

You can investigate problems like above: copy the URL of the PDF icon into the address field of your browser.

Play with it: replace & by %26 or add a missing ?

Maybe you can solve your problems. Please refer to "Allocate one of the master_templates" on page 15 above.

In case of an update to TYPO3 4.6

It seem's that the TYPO3 API from version 4.6 handle additionalParams in another way than version before 4.6

If you update your TYPO3 to version 4.6 or higher and if you are using the pdf_and_print_button master template, please replace it with the master template pdf_and_print_button_rawUrlEncode or pdf_and_print_button_realUrl. See "Allocate one of the master_templates" on page 15 above.

Cache

Remove the Cache manually

html2ps caches the rendered PDF documents.

It is recommended to clean up the cache from time to time.

Cached files are stored in:

- ext/pdfcontroller/res/html2ps_v2043/public_html/cache/

Security

In principle

The external php code of html2ps can used only within TYPO3. If there is an external call - a call from another website - code won't be executed. The result will be an error message.

html2ps

The html2ps module has a security restriction in particular:

- You can use it for a conversion to PDF for URL of the current website only.

If you have the need to use the core for conversion to PDF of an external URL, please contact the developers. See "Forum" on page 34 below.

System Requirements

PDF Controller is using the PHP project html2ps (see Credits on page 35 below).

Check it by the Plugin!

You can check your system supported by the plugin PDF Controller User Interface. See "Check system requirements" on page 20 above.

Required

- PHP 4.1.0 or newer (PHP 5 supported too)
- native _OR_ Active-Link DOM XML extension installed

Recommended

- 'gzlib' PHP extension
- 'iconv' PHP extension

Reference

html2ps

html2ps isn't controlled by TypoScript properties. You control html2ps with URL parameters.

You configure the parameters in the plugin/flexform PDF Controller User Interface.

But you can configure missing parameters and – if you need another value than in the flexform/plugin – all parameters of the flexform/plugin by sending this parameter in the URL.

html2ps/pdf script parameters

The html2ps/pdf script parameters are well documented by html2ps.

Please call the html2ps/pdf documentation (see section html2ps documentation on page 21 above). Click the link:

- Calling html2ps/pdf

Example

You have set the HTML page width to 640 pixels in the flexform/plugin. But there is one page with a different layout. You need 900 pixels width.

- The html2ps parameter is "pixels"
- The parameter for the URL is than tx_pdfcontroller_pi1[pixels]

Workflow:

- Inspect your TypoScript with the TypoScript Object Browser on the page, where you needed 900 pixels.
- Look for the array, which is configuring your PDF button.
- Add to the value of the additional parameters your parameter: &tx_pdfcontroller_pi1[pixels]=900

```
plugin.tx_pdfcontroller_pi2 {
  button >
  button < plugin.tx_pdfcontroller_pi2.master_templates.pdf_and_print_button_realUrl
  button {
    10 {
      imageLinkWrap {
        typolink {
          additionalParams := appendString(&tx_pdfcontroller_pi1[pixels]=580)
        }
      }
    }
  }
}
```

tx_pdfcontroller_pi2

<table>
<tr><th>Property:</th><th>Data type:</th><th>Description:</th></tr>
<tr><td>button</td><td>TCO</td><td>

TypoScript for rendering the PDF download button.
The used markers are replaced only in this TypoScript. If you are change the TypoScript you have to replace the markers manually.

Example:
If you like to use both – a pdf button and a print button – you can replace the TypoScript like in the example "Allocate one of the master_templates" on page 15 above.

Default code:

```
plugin.tx_pdfcontroller_pi2 {
  button = IMAGE
  button {
    wrap = |&nbsp;
    file = ###IMAGEFILE###
    altText = TEXT
    altText {
      value = Download content as PDF file
      lang {
        de = Inhalt als PDF-Datei herunterladen
      }
    }
    titleText < .altText
    imageLinkWrap = 1
    imageLinkWrap {
      enable = 1
      typolink {
        parameter          = ###PARAMETER###
        additionalParams   = ###ADDITIONALPARAMS###
        ATagParams         = rel="nofollow"
      }
    }
  }
}
```

</td></tr>
<tr><td>master_templates</td><td>array</td><td>

If you like to use both – a pdf button and a print button – you can allocate a master template.

Example:
See "Allocate one of the master_templates" on page 15 above.

Default code:

```
plugin.tx_pdfcontroller_pi2 {
  master_templates {
      // Example until TYPO3 4.5
    pdf_and_print_button = COA
    pdf_and_print_button {
      // Please inspect the code with
      // the TypoScript Object Browser
    }
      // Example with rawUrlEncode.
    pdf_and_print_button_rawUrlEncode = COA
    pdf_and_print_button_rawUrlEncode {
      ...
    }
      // Example with a realUrl configuration
    pdf_and_print_button_realUrl = COA
    pdf_and_print_button_realUrl {
      ...
    }
  }
}
```

</td></tr>
</table>

Property:	Data type:	Description:

_CSS_DEFAULT_STYLE	array	Inline CSS. It will included while runtime.
		Default code:
		`plugin.tx_pdfcontroller_pi2 {`
		`  _CSS_DEFAULT_STYLE (`
		`    .tx-pdfcontroller-pi2 {`
		`      text-align: right;`
		`    }`
		`    .tx-pdfcontroller-pi2 ul {`
		`      font-weight: bold;`
		`      list-style-type: none;`
		`      margin: 0;`
		`      padding: 0;`
		`    }`
		`    .tx-pdfcontroller-pi2 ul li {`
		`      display:inline;`
		`      margin: 0;`
		`      padding-left:.6em;`
		`    }`
		`  )}`

FAQ

CSS compatibility list

CSS 2.1

Please call the html2ps/pdf documentation (see section html2ps documentation on page 21 above). Click the link:

- CSS 2.1 compatibility list

CSS 3

Please call the html2ps/pdf documentation (see section html2ps documentation on page 21 above). Click the link:

- CSS 3 compatibility list

How do I add an image header to the PDF?

Please add to the flexform [Add content] to the field "header" an HTML img-tag, which is conform with XHTML. Conform means: the tag must be closed. Your URL have to be absolute and not relative.

This is a proper example:

```
<img src="http://die-netzmacher.de/header.jpg" />
```

How do I disable the Google Chrome PDF Viewer?

If you have trouble with the Google Chrome Browser, please disable it:

1. URL: chrome://plugins
2. Disable the "Chrome PDF Viewer"

Are frontend user sessions possible?

No. The PDF controller can't manage frontend user sessions.

Further Information

Other extensions by Die Netzmacher GbR

- Browser - the TYPO3-Frontend-Engine. The Browser speeds up the developing of TYPO3 extension development eight times! The Browser is the fast way for your data to the TYPO3 frontend. It displays content from related tables. You need 1 line TypoScript for a result list with a search form, a record browser and an a-z browser. Images are wrapped self-acting. SEO, Search Engine Optimisation, is integrated.
  http://typo3.org/extensions/repository/view/browser/current/

- Green Cars (Grüne Autos) - Database optimized for ecological cars. It is a case study and demonstrates, how to get a complex database with the Browser in three hours only.
  http://typo3.org/extensions/repository/view/green_cars/current/

- Jobmarket is a catalogue with job offers. Views, the a-z-browser, the page-browser, the search, social bookmarks and a lot of other stuff can configured by the Browser plugin with the mouse. Job Market hasn't any PHP code, it should be easy to adapt it to your needs.
  http://typo3.org/extensions/repository/view/job_market/current/

- Juridat - Database for Juridical Data. Juridat provides a juridical data base with backend functionality. Juridat is out of the box. It is a teamwork with the Browser.
  http://typo3.org/extensions/repository/view/juridat/current/

- logical_form: A very small frontend plugin for evaluating forms. I.e you can evaluate mail addresses.
  http://typo3.org/extensions/repository/view/logical_form/current/

- Majordomo: For subcribing to and unsubscribing from a majordomo mailing list.
  http://typo3.org/extensions/repository/view/majordomo/current/

- Organiser provides a lot of features for handle news, events, staff, headquarters, locations, repertoire, workshops and a calendar. Sell your online tickets! Organiser is based on the Browser.
  http://typo3-organiser.de/

- Quick Shop (extkey: quick_shop): The fastest shop in the history of TYPO3. Install it with one mouse click only! Quick Shop is based on the Browser and powermail.
  http://typo3.org/extensions/repository/view/quick_shop/current/

- seo_dynamic_tag: Search Engine Optimisation. You can generate values dynamically with this extension especially for the <title>-tag, for the <meta>-tag description and the <meta>-tag keywords.
  http://typo3.org/extensions/repository/view/seo_dynamic_tag/current/

- TSconfig Pages and Users by extManager (extkey: tsconf): Configure the eight most commonly used TSconfig porperties with the mouse - like page tree uids, activated extended view, activated clipboard, ...
  http://typo3.org/extensions/repository/view/tsconf/current/

- tt_news select configuration (extkey: ttnews_selectconf) enables to select tt_news by any SQL clause. The extension adds an andWhere clause to the SQL query of the tt_news plugin. I. e. it is possible to display tt_news items in dependence on the ownership of a fe_user.
  http://typo3.org/extensions/repository/view/ttnews_selectconf/current/

- Wine Catalogue provides a data base for wine with regions, wineries, styles, variety and ageing among others. It is localized. English, German and Spanish is out of the box. Wine based on the extension Browser.
  http://typo3.org/extensions/repository/view/wine/current/

Helpful suggestions

Forum

If you have helpful suggestions, feel free to publish any question, bug or code snippet on

- http://typo3-pdfcontroller.de/

Look for the forum TYPO3 PDF Controller.

Posts are welcome in English and German.

Credits

TYPO3 Security Team

[1.1.1]

Thanks to the TYPO3 Security Team for a commendable support - especially to Franz G. Jahn.7

Darren Gates and Konstantin Bournayev

[Release]

To Darren Gates and Konstantin Bournayev, who developed html2ps. If you like to donate to the html2ps project, visit this URL

- http://www.tufat.com/s_html2ps_html2pdf.htm

You will find a link for donation on the top of the page.

Change log

1.4.3 **Manual**
* #00000: Note frontend user sessions

1.4.1 **Bugfix**
* #00000: Wrong TypoScript snippet is now proper at
"Button for PDF download and for Printing" on page 15 above.

1.3.0 **Bugfix**
* #36862: Additional Parameter has to encoded since TYPO 4.6
Marker ###ADDITIONALPARAMS### is handled by rawUrlEncode( )
Effected file:
* pi2/class.tx_pdfcontroller_pi2.php

Improvement
* #00000: Two master template are added. One for a rawUrlEncode case, one for a realUrl case.
* #00000: DRS got prompts for marker and typolink
* #00000: Manual is updated

1.2.1 **Bugfix**
* #36857: Missing index in systemcheck.php: JPG Support
Effected file:
* res/html2ps_v2043/public_html/demo/systemcheck.php

1.2.0 **New Features**

* #36513: Enable Batch Processing
Coded by Jonas Goetze http://forge.typo3.org/users/4345
* #36228: Display PHP error messages – configurable by the plugin / flexform
Coded by Ulfried Herrmann http://herrmann.at.die-netzmacher.de

1.1.4 **Bugfix**

* #34939: Get rid of PHP notice logs
Thanks to Alexander Krimm for the bug report

1.1.3 **Improvement**

* #34858: Usage of $ICON_TYPES is deprecated since 4.4.
Thanks to Rene Staecker http://forge.typo3.org/users/1993

1.1.2 **Bugfix**

* #00000: SQL error in the query in context with development tools
Thanks to Borries Jensen, who send the Bugfix.

* #00000: After clearing the dirs cache, out and temp each folder get a file index.html

1.1.1 **New Feature**
* #33851: SEO rel="nofollow"

Improvements
* #00000: pi1/flexform_locallang.xml

1.1.0 **Security fix**

1.0.1 **Improvements**
* #32516: Systemcheck should check fonts in directory of pdfcontroller_fonts
* #32513: typeNum print template is configurable by the TypoScript constant editor
* #32482: PDF Controller suggests to install Fonts

Bugfixes
* #32518: Wrong field name for proxy in the flexform. Thanks to Borries Jensen
* #31191: Missing folders temp and out. Thanks to Borries Jensen
* #31190: Parameter are missing - without RealURL only. Thanks to Borries Jensen

1.0.0 **Initial release**

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